

Message Text

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ACTION SS-25

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E. O. 11652: XGDS-3

TAGS: PARM, U, UR

SUBJ: TTBT/PNE NEGOTIATIONS: REPORT OF 14TH PLENARY, JULY 15

TTBT/PNE DELEGATION MESSAGE NO. 64

1. SUMMARY: BUCHHEIM READ US STATEMENT FURTHER ELABORATION OF US VIEW OF OBSERVER FUNCTIONS AS THEY RELATE TO MEASUREMENT OF INDIVIDUAL YIELDS OF EXPLOSIONS WHICH ARE MEMBERS OF GROUPS. BRIEF DISCUSSION WAS HELD WITH SAFRONOV AFTER THE MEETING REGARDING THE BASIS FOR SOVIET CRITERIA FOR RESOLUTION AND VERIFICATION OF GROUPS BY TELESEISMIC MEANS. END SUMMARY.

2. BUCHHEIM READ US STATEMENT (TEXT SEPTEL) REGARDING US VIEW OF ACTIVITIES OF OBSERVERS NEEDED TO VERIFY YIELDS OF INDIVIDUAL EXPLOSIONS AND ABSENCE OF UNANNOUNCED EXPLOSIONS FOR GROUP EXPLOSIONS WHOSE AGGREGATE YIELDS ARE IN EXCESS OF INDIVIDUAL YIELD THRESHOLD. STATEMENT CONSIDERS OBSERVER ACTIVITIES ASSOCIATED WITH GROUND MOTION MEASUREMENTS BY SUB-SURFACE SENSORS, USE OF SLIFER TECHNIQUES, AS WELL AS ACTIVITIES OF OBSERVERS ASSOCIATED WITH ARRAY OF PORTABLE SEISMIC STATIONS. STATEMENT ALSO NOTES NUMBER OF LEGAL AND ADMINISTRATIVE MATTERS WHICH MUST BE RECOGNIZED IN CONNECTION WITH OBSERVERS, AS WELL AS TYPES OF PHYSICAL SUPPORT REQUIRED BY OBSERVERS.

3. SOVIETS INDICATED NO QUESTIONS AT THIS TIME, BUT WOULD REPLY AT FUTURE MEETING TO QUESTIONS RAISED BY US STATEMENT.

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SOVIETS HAD NO STATEMENT TO MAKE AT THIS MEETING.

4. BUCHHEIM SAID (TEXT SEPTTEL) US DESIRED CLARIFY SEVERAL POINTS IN SAFRONOV'S RECENT PRESENTATION ON SPECIFIC CONDITIONS ON SPACING AND TIME FOR TELESEISMIC RESOLUTION OF GROUPS. US HAD PROPOSED 40 KM AND 5 SECONDS, WHILE SAFRONOV HAD PROPOSED 10 KM AND 2 SECONDS. US FIGURES WERE PREDICATED ON NEED TO RESOLVE INDIVIDUAL EXPLOSIONS THROUGH TELESEISMIC MEANS AND MEASURE THEIR YIELDS WITH ERROR NOT SUBSTANTIALLY GREATER THAN ERROR FOR SINGLE EXPLOSIONS. WE QUESTIONED CRITERIA THAT FORMED BASIS OF NUMBERS PROPOSED BY SAFRONOV.

5. TIMERBAEV AGREED THAT SAFRONOV RESPOND TO QUESTION AFTER MEETING.

6. RECOGNIZING THAT EXPERT GROUP VI HAD MEETING JULY 16, IT WAS AGREED THAT NEXT PLENARY SHOULD BE JULY 17, TENTATIVELY AT 3:00 PM.

7. FOLLOWING MEETING IN INFORMAL GROUP, SAFRONOV REVIEWED BASIS OF HIS NUMBERS OF RESOLVING GROUPS OF EXPLOSIONS. HE SAID HE HAD PROCEEDED FROM FIGURE OF 3 KM WHICH HAD BEEN AGREED TO BY ROMNEY AS MINIMUM SPACING NEEDED TO RESOLVE TWO SIMULTANEOUS EXPLOSIONS. AS A MEASURE OF CONSERVATISM THEY HAD INCREASED DISTANCE TO 10 KM AND CALCULATED THAT THIS WOULD CORRESPOND TO SPACING IN TIME OF 2 SECONDS. WHEN QUERIED AS TO ACCURACY EXPECTED FOR 3 KM FIGURE, SAFRONOV REPLIED THAT FOR 50KT, FOR EXAMPLE, THEY WOULD EXPECT ACCURACY TO BE SUFFICIENT TO ASSURE THAT ANY MEMBER OF GROUP WAS LESS THAN TTBT THRESHOLD. FOR LARGER YIELDS PROBLEM WOULD BE MORE COMPLEX, BUT WITH ADDITIONAL INFORMATION EXCHANGE WHICH HAD BEEN AGREED UPON FOR LARGER YIELDS HE FELT THAT COMPARABLE YIELD ACCURACY WOULD BE POSSIBLE. HE SAID HE HAD CHECKED FIGURES OF 10 KM AND 2 SECONDS WITH MYASNIKOV AND RODIONOV AND THEY COULD FORESEE NO PROJECTS WHICH WOULD BE INVOLVED IN SUCH A LIMITATION SO QUESTION OF WHAT SPECIFIC NUMBERS SHOULD BE WAS NOT MATTER OF PRINCIPLE. HE CONCLUDED BY SAYING HE COULD SEE NO PROBLEM WITH AGREEING TO ANY NUMBER BETWEEN 10 AND 40 KT. IT WAS OBVIOUS FROM CONVERSATION THAT NO CALCULATIONS OF ANY SUBSTANCE HAD BEEN MADE AS BASIS FOR SOVIET NUMBERS.

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8. IN LIGHT OF ABOVE CONVERSATION, DELEGATION REQUESTS COMMENTS AND ADVICE REGARDING RESPONSE TO SAFRONOV'S PROPOSED NUMBERS.

9. IN CONVERSATION AFTER MEETING, TIMERBAEV ASKED IF US SIDE WOULD COMPLETE ITS PRESENTATIONS ON OBSERVERS WITH STATEMENT PLANNED FOR NEXT PLENARY. BUCHHEIM SAID THAT IS OUR PLAN. TIMERBAEV ASKED IF THEN WE COULD BEGIN OUR "REAL WORK" NEXT

WEEK ON DRAFT TEXTS. BUCHEIM SAID LAYING BASIS FOR CLEAR UNDERSTANDING ON OBSERVER RIGHTS AND FUNCTIONS IS "REAL WORK" THAT IS ESSENTIAL. TIMERBAEV SAYD YES, BUT WE MUST BEGIN ON DRAFTING IF WE ARE EVER TO GET FINISHED.

10. BUCHHEIM ASKED WHAT SUBJECT IS TO BE ADDRESSED IN STATEMENT THAT TIMERBAEV SAID (IN PLENARY) WAS BEING DRAFTED BY SOVIET SIDE. TIMERBAEV SAID IT WAS ON LTBT. BUCHHEIM ASKED IF IT WOULD BE GIVEN IN PLENARY OR RESTRICTED MEETING (SEE MOSCOW 9817). TIMERBAEV SAID EITHER WAY, HE DID NOT CARE. HE SAID DATE OF PRESENTATION IS UNCERTAIN BECAUSE STATEMENT IS BEING PREPARED BY IZRAEL, WHO IS VERY BUSY. IF NOT GIVEN THURSDAY, THEN FRIDAY OR MAYBE MONDAY. BUCHHEIM ASKED IF IZRAEL WOULD DELIVER STATEMENT ON LTBT. TIMERBAEV SAID YES, ALTHOUGH IF IZRAEL GETS TIED UP STATEMENT MIGHT BE DILIVERED BY SMIRNOV. TIMERBAEV SAID SMIRNOV HAS BEEN COLLABORATING WITH IZRAEL ON STATEMENT.

11. SOVIET SIDE HAS SUGGESTED THAT APPROPRIATE NUMBER OF MELT SAMPLES TO BE COLLECTED IN VICINITY OF EACH EXCAVATION EXPLOSION IS 10 (REFTEL MOSCOW 9830, HEADING V) WHAT IS US ASSESSMENT OF APPROPRIATE NUMBER TAKING INTO ACCOUNT LATEST ANALYSIS OF MELT SAMPLE FROM US EXCAVATION EXPERIMENTS? THE NUMBER SHOULD BE APPROPRIATE FOR USE ON EACH EXPLOSION IN AN EXCAVATION SALVO.

12. SIDES AGREED THAT EXCAVATION SALVOS SHOULD BE LAID OUT IN SUBSTANTIALLY LINEAR FASHION IF YIELD VERIFICATION IS TO BE BASED ON CRATER DIMENSIONS. NO QUANTITATIVE STANDARD OF LINEARITY HAS BEEN PROPOSED BY EITHER SIDE. IN DELEGATION COMMENTS ON DRAFT PROTOCOLS (MOSCOW 9584, PARA 14) WE SUGGESTED TEN PERCENT OF DEPTH AS MAXIMUM ALLOWABLE DEVIATION FROM LINEARITY. PLEASE ADVISE.

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